



USPTO APPLICATION NUMBER: 10/725,907

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NAME OF APPLICANT: Stephen Dintino

NON-PROVISIONAL UTILITY PATENT APPLICATION

SPECIFICATION

TITLE OF INVENTION:

- 1 Physically Aggressive Criminal Control and Restraint System, "The Giraffe"
- 2 The sole inventor is Stephen Dintino, 913 Greenwood Circle, Coatesville, PA.

SPECIFICATION, DESCRIPTION AND DIMENSIONS:

- 3 The Physically Aggressive Criminal Control and Restraint System, "The
- 4 Giraffe", is a tool and system to be used by Police, Law Enforcement,
- 5 Corrections, Security, Medical and Public Safety personnel to safely control
- 6 and restrain a physically aggressive criminal or emotionally or psychologically
- 7 unstable person, threatening to injure or kill himself, herself or other people.

- 8 "The Giraffe" is intended to be used by one or two Public Safety personnel
- 9 who will hold and direct the tool around the arms and legs of the physically
- 10 aggressive person, which will safely influence the control and restraint of the
- 11 physically aggressive person, and which will provide the distance necessary to
- 12 protect the Public Safety personnel from the physically aggressive person.

13 "The Giraffe" is currently being used by the Tredyffrin Township Police
14 Special Operations Team, Chester County, Pennsylvania.

15 "The Giraffe" is a reinforced one and a half (1.5) inch PVC plastic or one (1)
16 inch tubular aluminum collapsible extension, folding, or attachable and
17 detachable pole, with three (3) sets of handles and one (1) shoulder support at
18 the users' end, and two (2) sets of control and restraint arms at the recipient's
19 end, ninety-six (96) inches in length overall, sixteen (16) inches in height at the
20 users' end, thirty-six (36) inches in height at the control and restraint
21 arms recipient's end, and thirty-four (34) inches in width at the control and
22 restraint arms recipient's end. Elastic rubber bands (rubber bungee straps)
23 connect the control and restraint arms.

DESCRIPTION OF DRAWING:

24 An illustration of "The Giraffe" is separately attached, which is identified as
25 "Figure 1", and which is listed with the descriptive parts. The illustration scale
26 is: forty-four thousandths (.044) inch equals one (1) inch.
27 The illustration of "The Giraffe" is numbered and identified.

28 The overall length of "The Giraffe" is 96 inches.

29 1 & 2: Two upper control and restraint arms, with detachable, folding or
30 expandable joints. The two arms are 25 inches long, and the two arms are

31 34 inches apart at the ends. A rubber elastic band (rubber bungee strap) is
32 hooked and stretched between the ends of the arms. The upper control and
33 restraint arms are 36 inches apart from the lower control and restraint
34 arms (8, 9 & 10), which are connected by the vertical connector (11).

35 3 & 4: One person user horizontal and vertical handles. The handles are
36 7 inches long on each side of the pole. The one person user horizontal
37 handle is 50 inches from the end of the upper control and restraint
38 arms (1 & 2). The one person user vertical handle (3) is 12 inches from
39 the one person user horizontal handle (4).

40 5: Pole detachable, folding or expandable joint. The pole joint is 6 inches
41 from the one person user vertical handle (4).

42 6: Two person user horizontal handle. The handles are 7 inches long on each
43 side of the pole. The two person user horizontal handle is 12 inches from the
44 one person user vertical handle (4).

45 7: Two person user vertical shoulder support and handle. User's end.
46 The two person user vertical shoulder support and handle is 16 inches long,
47 and is 12 inches from the two person user horizontal handle.

48 8, 9 & 10: Three lower control and restraint arms, with detachable, folding or

49 expandable joints. The two outer arms are 25 inches long, and the two
50 outer arms are 34 inches apart at the ends. The center arm is 22 inches
51 long, and is 16.25 inches from each outer arm. A rubber elastic band
52 (bungee strap) is hooked and stretched between the ends the arms.

53 11: Vertical connector for the upper and lower control and restraint arms.
54 The vertical connector is 34 inches long, and connects the upper and lower
55 control and restraint arms.

56 12: Diagonal support for the vertical connector (11) and the pole. The
57 diagonal support is 42 inches long, and connects the vertical support and the
58 pole.

59 13: Diagonal support detachable, folding or expandable joint.

CROSS-REFERENCE TO RELATED APPLICATIONS:

60 Not applicable

STATEMENT REGARDING FEDERALLY SPONSORED RESEARCH OR DEVELOPMENT:

61 Not applicable

REFERENCE TO SEQUENCE LISTING, A TABLE, OR A COMPUTER
PROGRAM LISTING COMPACT DISK APPENDIX:

62 Not applicable

BACKGROUND OF THE INVENTION:

63 The Physically Aggressive Criminal Control and Restraint System, “The
64 Giraffe”, is a tool and system to be used by Police, Law Enforcement,
65 Corrections, Security, Medical and Public Safety personnel to safely control
66 and restrain a physically aggressive criminal or emotionally or psychologically
67 unstable person, threatening to injure or kill himself, herself or other people.

68 “The Giraffe” is intended to be used by one or two Public Safety personnel
69 who will hold and direct the tool around the arms and legs of the physically
70 aggressive person, which will safely influence the control and restraint of the
71 physically aggressive person, and which will provide the distance necessary to
72 protect the Public Safety personnel from the physically aggressive person.

73 “The Giraffe” is currently being used by the Tredyffrin Township Police
74 Special Operations Team, Chester County, Pennsylvania.

BRIEF SUMMARY OF THE INVENTION:

75 In certain specific situations and incidents, “The Giraffe” can be used to
76 safely control and restrain a physically aggressive person by controlling the
77 subject’s arms and legs with the Giraffe’s rubber banded arms. The physically

78 aggressive person can be restrained against a wall, or in the absence of a wall,
79 the subject can be restrained by turning and rotating “The Giraffe” to place the
80 subject on the floor or ground.

81 “The Giraffe” is intended to be used by trained personnel and in conjunction
82 and in coordination with the use of distractions and less lethal force, and an
83 element of subject control and restraint handlers. A comprehensive “Less
84 Lethal Tactical Intervention Tactic” training and instruction course is
85 provided and coordinated with the use of “The Giraffe”.

SEQUENCE LISTING:

86 Not applicable

NON-PROVISIONAL UTILITY PATENT APPLICATION SMALL ENTITY FEE:

87 I, Stephen Dintino, sole inventor and applicant, declare and affirm that I am a
88 “small entity”, and I respectfully petition the United States Patent and
89 Trademark Office to approve the patent of my invention, the Physically
90 Aggressive Criminal Control and Restraint System, “The Giraffe”.
91 I submit the applicable fee of \$385 for the processing of this patent
92 application.